



# PRODUCT DATA SHEET

CAST IN PLACE REPLACEABLE TACTILE  
Inline Dome Pattern: Tactile Warning Surface (U.S.  
PATENT # 7,779,581 + One Or More U.S. Patents Pending)

View additional photos, drawings and specifications on our website: [www.adatale.com](http://www.adatale.com).  
**Please call (800) 372-0519 with any questions.**

<b>DOME GEOMETRY</b>	<i>In accordance with ADA Regulations for Detectable Warning on Curb Ramps: truncated domes with a diameter of nominal 0.9", a height of nominal 0.2", and an in-line spacing of 2.35" maximum.</i>
<b>TWS UNIT DIMENSIONS</b>	TWS Units are available in 24"x36", 24"x48", 24"x60", 36"x48", and 36"x60" sizes. TWS Units may also be custom configured to accommodate specific project requirements. <b><i>TWS Units measure 0.25" nominal thickness and features a 3/4" thick x 1" wide perimeter "flange" with air release vents.</i></b>
<b>MATERIAL</b>	A homogenous glass and carbon reinforced composite which is colorfast and UV stable. Truncated domes are fiberglass reinforced for enhanced durability. The color of the TWS Unit is uniform throughout and does not rely on any type of paint coating to achieve color stability. Standard colors include: Federal Yellow, Brick Red, Clay Red, Safety Red, Gray, Black, and Blue.
<b>INSTALLATION</b>	TWS Units are to be used on new curb ramp locations. <b><i>TWS Panels are equipped with 1/2' x 1 1/2" heavy duty steel bolts (fasteners) protruding 1/2" from panel body. The bolts (fasteners) are secured into corrosion resistant concrete inserts. This ensures that the bolts (fasteners) are securely embedded 2" into the concrete.</i></b> Bolts (fasteners) are covered with a structural water tight cap. The TWS Unit is firmly pressed into place in the freshly poured concrete. The TWS Units may be replaced by removing the bolts and inserting a new interchangeable TWS Unit in the existing recess. The original inserts remain in place. The TWS Unit may be replaced in minutes.

## PHYSICAL CHARACTERISTICS:

Compressive Strength	28,900 psi	ASTM D 695
Flexural Strength	29,300 psi	ASTM D 790
Water Absorption	.07%	ASTM D 570
Slip Resistance	1.18 Dry, 1.05 Wet	ASTM C 1028
Flame Spread Index	20	ASTM E 84
Salt Spray	No Change (200 hours)	ASTM B 117
Chemical Stain Testing	No Deterioration	ASTM 1308
Abrasion Resistance	549	ASTM C 501
Accelerated Weathering	Delta E<5.0 (2,000 hours)	ASTM G 155
Tensile Strength	11,600 psi	ASTM D 638
Load Bearing at 16,000#	No Damage	AASHTO-H20
Freeze/Thaw/Heat	No Disintegration	ASTM C 1026

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### ADA SOLUTIONS, INC.

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